Name of the Work:	Costruction of drain & concrete work at Karekallu and Bagalagunt old village sourrounding in ward no 14 Bagalagunte

CERTIFICATE

We Cetified that Sri. K.P.Umesh, Asst.Engineer and Sri.Vijayakumar.T.D Asst.Exe.Engineer have Personally visited the spots and prepare the Estimate in safe and economical using the schedule rate of PWD Bangalore Circle Banglore. during the Year 2018-19

Asst.Engineer
ward No 14

Asst.Exe.Engineer
T.Dasarahalli Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

e of Work: Costruction of drain & concrete work at Karekallu and Bagalagunt old village rounding in ward no 14 Bagalagunte

						Est. Cost Rs	100.00	Lakhs	
Description of Item	Unit	No	L	B	D	Qty	Rate	Amount	
KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100mtr. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications Specification No. KRBS 500-1 MORTH Chapter 5 Page No. 158/ Item No. 21.3/ PWD SR 2018-19									
at Karekallu & Vinayaka Nagara		1	160.00	4.00	0.25	160.00			
		1	150.00	3.00	0.25	112.50			
at Venugopala swamy temple		1	145.00	3.50	0.25	126.88			
at Near Maramma temple SC Colony and Surroundings		1	160.00	3.00	0.25	120.00			
		1	100.00	3.00	0.25	75.00			
						594.38	133.56	79385.00	
Basic Rate	126.00								
Add Area Weightage 6%	7.56								
Total	133.56								
2 KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.143/I.19.1 PW, P & IWTD -SR 2018-19)									
at Karekallu & Vinayaka Nagara		1	160.00	1.00	0.90	144.00			
		1	150.00	1.00	0.90	135.00			
at Venugopala swamy temple		1	145.00	1.00	0.90	130.5			
at Near Maramma temple SC Colony and Surroundings		1	160.00	1.00	0.90	144.00			
		1	100.00	1.00	0.90	90.00			
						643.50	137.80	88674.00	
Basic rate	130.00								
Add Area Weightage 6%	7.80								
Total	137.80								
3 Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2018-19, P.No.155, I No.20.18)									

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	For UGD & Water supply Road cutting portion								
	at Karekallu & Vinayaka Nagara	Cum	1	160.00	1.20	0.23	44.16		
			1	150.00	1.20	0.23	41.40		
	at Venugopala swamy temple		1	145.00	1.20	0.23	40.02		
	at Near Maramma temple SC		1	160.00	1.20	0.23	44.16		
			1	100.00	1.20	0.23	27.60		
							197.34	2001.28	394933.00
	Basic Rate	1888.00							
	Add Area Weightage 6%	113.28							
	Total	2001.28							
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.13/I.4.3) PWD - SR 2018-19)								
	at Karekallu & Vinayaka Nagara	Cum	1	160.00	4.00	0.15	96.00		
			1	150.00	3.00	0.15	67.50		
	at Venugopala swamy temple		1	145.00	3.50	0.15	76.13		
	at Near Maramma temple SC		1	160.00	3.00	0.15	72.00		
			1	100.00	3.00	0.15	45.00		
	Basic Rate	5102.00					356.63	5408.12	1928671.00
	Add Area Weightage 6%	306.12							
	Total	5408.12							
5	Providing laying plain/reinforced cement concrete for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc., complete as per approved drawing and design MORTH specification No.1500, 1700, 2200 PCC M20 Grade upto 0.75m height using concrete mixture.including cost of materials,labour,HOM Complete as per specification,pg no 271,it no 37.59 PWD SR 2018-19								
	at Karekallu & Vinayaka Nagara	Cum	2	160.00	0.15	0.6	28.80		
			2	150.00	0.15	0.6	27.00		
	at Venugopala swamy temple		2	145.00	0.15	0.6	26.10		
	at Near Maramma temple SC		2	160.00	0.15	0.6	28.80		
			2	100.00	0.15	0.6	18.00		
							128.70		
	For Bottom bed Concrete		1	160.00	0.90	0.10	14.40		
			1	150.00	0.90	0.10	13.50		
			1	145.00	0.90	0.10	13.05		
			1	160.00	0.90	0.10	14.40		
			1	100.00	0.90	0.10	9.00		
							64.35		
							193.05	7070.20	1364902.00
	Basic Rate	6670.00							
	Add Area Weightage 6%	400.20							
	Total	7070.20							
6	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.229 - I. no.28.8.2]								

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			80	193.05			15444		
							15.44	72326.98	1117018.00
	Basic Rate	68233.00							
	Add Area Weightage 6%	4093.98							
	Total	72326.98							
7	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
	at Karekallu & Vinayaka Nagara	Sqm	1	160.00	0.90		144.00		
			1	150.00	0.90		135.00		
	at Venugopala swamy temple		1	145.00	0.90		130.50		
	at Near Maramma temple SC Colony and Surroundings		1	160.00	0.90		144.00		
			1	100.00	0.90		90.00		
	Data Rates Approved by Chief Engineer						643.50	2208.00	1420848.00
8	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) ((P.No.176, I.No.22.6.1 of PW,P&IWTD SR 2018-19)								
	at Karekallu & Vinayaka Nagara	Cum	1	160.00	4.00	0.15	96.00		
			1	150.00	4.00	0.15	90.00		
	at Venugopala swamy temple		1	145.00	3.50	0.15	76.13		
	at Near Maramma temple SC Colony and Surroundings		1	160.00	3.00	0.15	72.00		
			1	100.00	3.00	0.15	45.00		
	Basic Rate	4916.00					379.13	5210.96	1975605.00
	Add Area Weightage 6%	294.96							
	Total	5210.96							
9	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift PWD SR 2018-19[P.No.176 -I.No.22.7]								
	at Karekallu & Vinayaka Nagara		1	160.00	4.00		640.00		
			1	150.00	3.00		450.00		

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	at Venugopala swamy temple		1	145.00	3.50		507.50		
	at M Maramma temple SC Colony and Surroundings		1	160.00	3.00		480.00		
			1	100.00	3.00		300.00		
							2377.50	72.08	171370.00
	Basic Rate	68.00							
	Add Area Weightage 6%	4.08							
	Total	72.08							
10	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2018-19								
	Loading and Unloading Charges	57.00	Qty Vide Item No 01 & 02				565.00	73.99	41803.00
	Lead 4 KMs 2x1.28x4	12.80							
	Basic Rate	69.80							
	Add Area Weightage 6%	4.19							
	Total	73.99							
							SUB TOTAL		8583209.00
11	GST Charge 12%								1029985.00
12	KRIDL Charge 4.5%								386244.00
13	Miscellaneous and UnforessenCharges								562.00
									10000000.00
	Rupees One Hundred Lakhs Only								

Assistant Engineer
Ward No 14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ಪತ್ರ ಸಂ. EE/DD/AS/91/18-19 ದಿನಾಂಕ: 29/12/18
ರೂ. Rs. Hundred lakhs only. C.100.00
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
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